

Serial No. 09/779,560

Attorney Docket No. 58982.000002

EXHIBIT A

EBI EMBL Nucleotide Sequence Database Sequence Version Archive

The **EMBL Sequence Version Archive** is a repository of all entries which have ever appeared in the EM Nucleotide Sequence Database.

You can use this page to browse the archive or use the [batch retrieval form](#).

[F.A.Q.](#)

Accession Number or Sequence Version: AJ131677 case sensitive

Snapshot at

EMBL

[Previous <<](#)

AJ131677

[Back](#)

This flat file was issued: 21-DEC-2000 Rel: 66

ID CDR131677 standard; RNA; MAM; 1172 BP.
XX
AC AJ131677;
XX
SV AJ131677.1
XX
DT 21-DEC-2000 (Rel. 66, Created)
DT 21-DEC-2000 (Rel. 66, Last updated, Version 1)
XX
DE Camelus dromedarius mRNA for chymosin
XX
KW chymosin; chymosin gene.
XX
OS Camelus dromedarius (Arabian camel)
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
OC Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Camelus.
XX
RN [1]
RP 1-1172
RA Kappeler S.R.;
RT ;
RL Submitted (21-DEC-1998) to the EMBL/GenBank/DDBJ databases.
RL Kappeler S.R., Institute of Food Science, Swiss Federal Institute of
RL Technology, LFO F26, 8092 Zurich, SWITZERLAND.
XX
RN [2]
RA Kappeler S.R., Farah Z., Puhan Z.;
RT "Camel (Camelus dromedarius) Chymosin and Pepsin as Renneting Enzymes for
RT Camel Milk";
RL Unpublished.
XX
FH Key Location/Qualifiers
FH
FT source 1..1172
FT /db_xref="taxon:9838"
FT /organism="Camelus dromedarius"
FT /sub_species="Arabian breed"
FT /tissue_type="stomach mucosa"
FT CDS 21..1166
FT /name="chymosin"

```

FT          /product="chymosin"
FT          /EC_number="3.4.23.4"
FT          /function="rennet coagulation of milk"

FT          /protein_id="CAC19554.1"
FT          /translation="MRCLVLLAALALSQASGITRIPHLKGKTLRKALKERGLLEDFLQRQQYAVSSKYSSLGKVAREPLTSYLDQYFGKIVIYGTTPQEFTVVFDTGSQDLWVPSIYCKSNVCKNHRFDPRKSSTFRNLGKPLSIHYGTCMSMEGFLCYDTVTVSNIVDPNQTVGSTEQPGEVFTYSEFDGLGLAYPSLASEYSPVFDNMMDRHLVARDILFSVYMDRNGQGSMLTILGAIDPSYYTGYSLHWPVTLQQYWQFTVDSVTINGVAACVGGCQAILDTGTSVLFGPSSDILKIQMAIGATENRYGEFDVNCGNLRSMPTVFVFEINGDYPLSPSAYTSKDQGFCTSGFQGDNNNSELWILGDVFIREDYYSVFDRANNRVGLAKAI"
FT          sig_peptide    21..194
FT          /gene="chymosin"
FT          mat_peptide    195..1163
FT          /gene="chymosin"
FT          /product="chymosin"
FT          /EC_number="3.4.23.4"
FT          /function="rennet coagulation of milk"
XX
SQ  Sequence 1172 BP; 245 A; 349 C; 335 G; 243 T; 0 other;
tgaccaggc caggtccagg atgcggtgcc tcgtggtgt acttgcagcc ctcgcctctc 60
cccaggccag tgggatcacc aggatccctc tgccacaaagg caagactctg agaaaaagcgc 120
tgaaggagcg tgggctctg gaggacttc tgccagagaca acatgtgcc gtcagcagca 180
agtactccag cttggggaaag gtggccaggaa aacctctgac cagtcacctg gatagtca 240
actttggaa gatctacatc gggacccccac cccaggaggatc caccgtggtg tttgacactg 300
gtcctctgtc octgtgggtg ccctctatct actgcaagag caatgtctgc aaaaaccacc 360
accgcttgc cccgagaaag tcgtccaccc tccggaaacct gggcaagccc ctgtccatcc 420
attacggcac gggcagcatg gagggtttc tgggctacga caccgtcacc gtctccaaca 480
ttgtggaccgc caaccagact gtggccctga gcaccggaca acctggcgag gtcttcaccc 540
actccgagtt tgacggata ctggggctgg cctaccctc gcttgcctcc gagtaactcg 600
tgccccgtgt tgacaatatg atggacagac acctgggtggc cggagacccctg ttctcggttt 660
acatggacag gaatggccag gggagcatgc ttactactggg ggccattgtac ccgtccact 720
acacccggctc cctgtccatgg gtggccctga ctttgcagca gtactggcgag ttccaccgtgg 780
acagtgtcac catcaacccggg tgccggatgg cttgtgttgg tggctgtcag gccatccctgg 840
acacccgggtac ctccgtctgt ttccggccca gcagcgcacat cctccaaat cagatggcta 900
ttggagccac agagaaccga tatggtgagt ttgacgtcaa ctgtgggaaac ctgaggagca 960
tgeccacccgt ggtcttcgag atcaatggca gagactaccc actgtcccccc tccgcctaca 1020
caagcaagga ccagggttc tgccaccatgt gctttcaagg tgacaacaat tccgagctgt 1080
ggatccctggg ggtatgtttc atccggaggt attacagtgt ctttgacagg gccaacaatc 1140
gcgtggggct ggccaaggcc atctgattgc ac 1172
//
```